Z
6669
058
n5
v.5
Biological
& Medical
Serials

Ophthalmic Literature

EDITOR, EDWARD JACKSON, M. D.
ASST. EDITOR, WILLIAM H. CRISP, M. D
CORRESPONDENTS { DR. MARCEL DANIS, Brussels, Belgium
PROF. J. KOMOTO, Tokyo, Japan

Vol. V. MAY, 1915 No. 5

CONTENTS

Influence of War on the Literature..... 65

Book Notices:

The American Encyclopedia of Ophthalmology, Vol. VI..... 65
Transactions of the American Academy of Ophthalmology and and Oto-Laryngology, 1914..... 66

Index of Ophthalmology:

Diagnosis, Therapeutics 66
Operations, Refraction 67
Ocular Movements, Conjunctiva..... 68
Cornea and Sclera..... 69
Uveal Tract, Sympathetic Disease, Glaucoma..... 70
Crystalline Lens 71
Vitreous, Retina 72
Toxic Amblyopias, Optic Nerve, Tracts and Centers..... 73
Color Vision, Eyeball, the Lacrimal Apparatus..... 74
Lids, Orbit 75
Parasites, Tumors, Injuries..... 76
Pathology 77
Comparative Ophthalmology, Hygiene, Ophthalmic Sociology and History 78

Abstracts From Foreign Journals:

Synchisis Scintillans 79
Ocular Pemphigus 79

PRICE FIVE DOLLARS PER YEAR, IN ADVANCE

Published Monthly by EDWARD JACKSON, 318 Majestic Building, Denver, Colorado, U. S. A.

Entered as second-class matter November 6, 1912, at the Postoffice at Denver, Colorado, under the Act of March 3, 1879.

Skiascopy and Its Practical Application

BY EDWARD JACKSON, M. D., DENVER, COLO.

FOURTH EDITION

REVISED AND ENLARGED. WITH CHAPTERS ON EXACT SKIASCOPY AND AUTO-SKIASCOPY. OCTAVO 120 PAGES, ILLUSTRATED.
SENT POST-PAID ON RECEIPT OF ONE DOLLAR.

Herrick Book and Stationery Company

934 15th Street Denver, Colorado

Ophthalmic Literature

VOL. V. MAY, 1915. NO. 5.

Edited by EDWARD JACKSON. Assisted by WILLIAM H. CRISP.

INFLUENCE OF WAR ON THE LITERATURE.

As could be seen from the beginning, the war has greatly interferred with the production and dissemination of scientific literature. Of the French ophthalmic journals only three out of six have been published since war began, and these after great delay. The English and German journals continue reduced in size and at longer intervals. Even the American journals show the effect of the reduction of matter for their review departments. This last condition has not been an unmixed evil. It has allowed these departments to be brought more nearly up to date, and has enabled them to come nearer to really covering the field.

As was easily foreseen, there has been some increase of observations on injuries and conditions closely dependent upon war. But in all other directions original observations and research have been at a low ebb, and nearly all important papers are coming from neutral countries. The irregularity with which the literature is received is reflected in the differences in the size of the index from month to month.

BOOK NOTICES.

The American Encyclopedia of Ophthalmology, Volume VI. Edited by **Casey A. Wood** of Chicago, assisted by a large staff of collaborators; pp. 3995 to 4847. Fully illustrated. Chicago: Cleveland Press, 1915. Price, $6 per volume.

This volume carries the work to include exophthalmic goitre. One begins to speculate on how many such volumes will be required to complete the work. About three-eighths of Gould's Medical Dictionary precedes exophthalmic goitre. Taking it as a basis for comparison, fifteen or sixteen volumes will be needed. Comparisons with a book not devoted to ophthalmology may be misleading; in the domain of ophthalmology there is nothing with which the encyclopedia can be compared. But it begins to be perfectly clear that this work, to sustain the standard for completeness it has established, must be larger than was originally proposed. Undoubtedly its permanent value to its possessors and the profession will be greatest if this standard can be kept up to the end. Neither editor, publisher or subscribers could in the beginning estimate exactly the greatness of this undertaking. It is to be hoped, however, that all will cooperate to have the work finished with the same completeness as is shown by the volumes already issued.

Among the principal sections included in this volume is one on electricity in ophthalmology (fifty-four pages), by W. Franklin Coleman. In addition to this there are shorter sections on electric ophthalmia, the electric ophthalmoscope, electrodes, electrolysis and on the electro-magnet; the last of twenty-six pages is by E. S. Thomson; entropion (trichiasis), apparently written by the editor, occupies fifty pages. Enucleation of the eye and its substitutes, from the pen of

Frank Allport, fills ninety-three pages. All of the articles are well illustrated.

The examination of the eye, 220 pages, by Alexander S. Rochester, is the most extended treatise on the subject to be found in the language. Such recent improvements as Duane's tangent curtain, Skeel's electric perimeter, Reitsch's method of ophthalmoscopic localization, the Gullstrand and similar ophthalmoscopes, the Harman diaphragm tests for binocular vision and the various forms of tonometers and binocular magnifiers, all receive adequate attention.

Even recreation can be found in the encyclopedia. To run over the biographical sketches from Dix, Dixon, Donders and Dor to Euler, Eversbusch and Ewetsky will give the ophthalmologist entertainment as well as inspiration. Dombrowski, breaking his health by study at 4 or 5 o'clock in the morning, or driving his black horses with two wheels in the air; Duddel, who before Daviel proposed extraction of soft cataract; Dupuytren, who "cured" lacrimal fistula by putting in a gold canula that made the fistula permanent, are picturesque figures with whom we can with advantage cultivate an acquaintance.

Transactions of the American Academy of Ophthalmology and Oto-Laryngology, 1914. 387 pages. Published by the Academy. Chicago.

Of this carefully prepared and neatly printed volume, 287 pages are given to ophthalmology and ninety-four to oto-laryngology. Appearing more than seven months after the meeting it records, many of the papers here printed have been previously published in the journals. On the whole it contains about the most valuable series of papers and discussions that have yet been published by the academy.

But the editing of the volume leaves something to be desired. For instance, part of the discussion on trachoma bodies, belonging on page 226, is to be found on page 266, as part of a discussion on sclero-corneal trephining, and the absence of page headings increases the difficulty of using the volume as a work of reference and suggests a stage in the development of book-making that ought long ago to have been passed.

Index of Ophthalmology

DIAGNOSIS.

Berling, E. Visual Fields Taken by Bjerrum's Method. (Bibl., 35 ill.) Arch. f. Augenh., 78, p. 152.

Griscom, J. M. Transillumination in the Negro Race. Wills. Hosp. Ophth., Soc., Dec. 7. Ophth. Rec., 24, p. 263.

May, C. H. An Electric Ophthalmoscope. Arch. of Ophth., 44, p. 300.

Re, F. Ocular Measurements and a New Excursiometer and Pupillometer. Arch. di Ott., 22, p. 113. Ophth. Lit., 5, p. 64.

Reitsch, H. Pocket Ophthalmoscope. (3 ill.) Zeit. f. Augenh., 33, p. 34.

Rönne, H. Theory and Technique of Bjerrum's Method of Studying the Visual Field. (Bibl. 2 ill.) Arch. f. Augenh., 78, p. 284.

Von Hoor. Diagnostic Errors. Ann. of Ophth., 24, p. 348.

Repeated Titles. **Holth** (4, p. 163) Ophthalmology, 11, p. 587. **Sattler** (4, p. 163) Ophthalmology, 11, p. 585. **Streiff** (4, p. 177) Ophthalmology, 11, p. 614.

THERAPEUTICS.

Darier. Vaccines and Serums in Ocular Therapy. Twelfth Int. Cong. Ophth., Petrograd. Ophthalmoscope, 13, p. 263.

Indications for Tuberculin and Anti-tuberculous Serum in Ocular Tuberculosis. Clin. Opht., 20, p. 613.

Dinkelspiel, M. R. Administration of Formaldehyde Liberating Drugs in Ocular Diseases. Jour. Ophth. and Oto-Laryngol., 9, p. 107.

Jacovides. Auto-orotherapy in Ophthalmic Treatment. Twelfth Int. Cong. Ophth., Petrograd. Ophthalmoscope, 13, p. 263.

Maucione. Neo-salvarsan in Treatment of Syphilitic Affections of Eye. Twelfth Int. Cong. Ophth., Petrograd. Ophthalmoscope, 13, p. 262.

Mihail. Experiments on Intraocular Therapy. Twelfth Int. Cong. Ophth., Petrograd. Ophthalmoscope, 13, p. 263.

Seibert, E. G. Subconjunctival Injections of Salvarsanized Serum in Ocular Syphilis. Jour. Amer. Med. Assn., 64, p. 1649.

Repeated Titles. **Abelsdorff** (4, p. 177) Ophthalmology, 11, p. 591. **Jacovides** (5, p. 36) Ophth. Rev., 34, p. 158. **Reif** (4, p. 19) Cent. f. p. Augenh., 39, p. 95. **Wessely** (3, p. 132) Ann. of Ophth., 24, p. 362.

OPERATIONS.

Butler, T. H. General Anesthesia for Eye Operations. Brit. Med. Jour., May 8, p. 826.

Dunn, P. Antisepticism in Relation to Ophthalmic Surgery. Clin. Jour., 44, p. 137.

Champlin, H. W. Improved Eye Spud. (1 ill.) Jour. Ophth., Otol. and Laryngol., May, p. 418.

Gradle, H. S. Ciliary Ganglion Anesthesia in Removal of Eyeball. (Bibl.) Arch. of Ophth., 44, p. 270.

Hawley, C. W. New Speculum for Operations on Lacrimal Sac. Chicago Ophth. Soc., Feb. 15. Jour. Ophth. and Oto-Laryngol., 9, p. 127.

Hird, R. B. General Anesthesia for Eye Operations. Brit. Med. Jour., April 17, p. 698.

Hurd, L. M. Hyoscin and Morphin as a Preliminary to Local Anesthesia. Ophthalmology, 11, p. 480. Amer. Acad. Ophth. and Oto-Laryngol., 1914, p. 28.

Kuhnt, H. Operation for Reducing Size of Eyeball in a Contracted Conjunctival Sac. (2 ill.) Zeit. f. Augenh., 33, p. 55.

Vail, T. D. Lid Retractors for Cataract Operation. (2 ill.) Ophth. Rec., 24, p. 248.

Repeated Titles. **Krückmann** (3, p. 132) Ann. of Ophth., 24, p. 358. **Lindner** (4, p. 148) Ophthalmology, 11, p. 592.

REFRACTION.

Bates, W. H. Radical Cure of Errors of Refraction. (4 ill.) New York Med. Jour., 101, p. 925.

Contino, A. Size of Inverted Ophthalmoscopic Image. Clin. Ocul., 14, p. 1748.

Ennike, F. Myopia in Giessen Clinic and Later Results of Operations. Giessen Thesis.

Linnell, E. H. Epilepsy and Eye Strain. Jour. Ophth., Otol. and Laryngol., May, p. 409.

Newcomb, J. R. Fifteen Hundred Cases of Errors of Refraction. (9 ill.) Ann. of Ophth., 24, p. 246. Amer. Acad. Ophth. and Oto-Laryngol., 1914, p. 145.

Ragsdale, A. C. Pseudomyopia. Ill. Med. Jour., 27, p. 353.

Rönne, H. Transient Hyperopia With Diabetes. Klin. M. f. Augenh., 54, p. 207.

Schoute, G. J. Instrument for Measuring Position of Lenses for Prescribing Katral Glasses. Zeit. f. Augenh., 33, p. 174.

Wessels, L. C. Importance of Correcting Visual Defects in Children. Jour. Ophth., Otol. and Laryngol., May, p. 400.

Woods, H. Routine Refraction Problems. Ann. of Ophth., 24, p. 286. Amer. Acad. Ophth. and Oto-Laryngol., 1914, p. 163.

Zimmermann, C. Sudden Changes of Refraction in Diabetes. Ophthalmology, 11, p. 492.

Repeated Titles. **Gutmann** (4, p. 84) Ann. of Ophth., 24, p. 341. **Levinsohn** (4, p. 148) Ophthalmology, 11, p. 605. **Lancaster** and **Williams** (5, p. 37) Amer. Acad. Ophth. and Oto-Laryngol., 1914, p. 170.. **Marquez** (4, p. 50) Ophthalmoscope, 13, p. 252. **Marquez** (4, p. 4) Ophthalmoscope, 13, p. 252. **Pape** (4, p. 178) Amer. Jour. Ophth., 32, p. 121. Ophthalmology, 11, p. 616. **Reitsch** (4, p. 178) Amer. Jour. Ophth., 32, p. 118. Ophthalmology, 11, p. 585.

OCULAR MOVEMENTS.

Alger, E. M. Divergence Paralysis. Arch. of Ophth., 44, p. 297.

Bach, J. A. Modified Muscular Advancement Operation. Wis. Med. Jour., 13, p. 481.

Chance, B. Divergent Strabismus. Wills Hosp., Ophth. Soc., Nov. 10. Ophth. Rec., 24, p. 256.

Giraud. Bilateral Advancement for Squint. Klin. M. f. Augenh., 54, p. 357.

Hardy, W. F. The Squinting Child. Jour. Missouri Med. Assn., 12, p. 67.

Jackson, E. Extended Tenotomy for Convergent Squint. Colo. Ophth. Soc., Feb. 20. Ann. of Ophth., 24, p. 415.

Kraupa, E. Bell's Phenomenon. (2 ill.) Arch. of Ophth., 44, p. 281.

Landolt, E. Normal and Pathologic Movements of the Eyes. (32 ill.) Arch. d'Opht., 34, p. 529.

Larsen, H. Operation for Convergent Strabismus. Klin. M. f. Augenh., 54, p. 335.

Leva. Caloric Nystagmus in Coma. Zeit. f. Augenh., 33, p. 87.

Maddox, E. E. False Heterophoria and Heterotropia. (9 ill.) Ophth. Rec., 24, p. 223.

Niccol, W. Pedigree of Hereditary Nystagmus. Ophthalmoscope, 13, p. 224.

Posey, W. C. The O'Connor Operation. Wills Hosp., Ophth. Soc., Jan. 9. Ann. of Ophth., 24, p. 438.

Santos Fernandez, J. Paralysis of Ocular Muscles in Cuba. Arch. de Oft., 15, p. 145.

Valk, F. Strabismus. Ophthalmology, 11, p. 505. Amer. Acad. Ophth. and Oto-Laryngol., 1914, p. 197.

Weisser, E. A. Exophoria of Doubtful Origin. Ophth. Rec., 24, p. 267.

Zentmayer, W. O'Connor's Operation. Wills Hosp., Ophth Soc., Nov. 10. Ophth. Rec., 24, p. 258.

Repeated Titles. **Baudry** (4, p. 20) Ophth. Rev., 34, p. 149. **Gertz** (5, p. 37) Klin. M. f. Augenh., 54, p. 337. **Lowell** (5, p. 56) Amer. Acad. Ophth. and Oto-Laryngol., 1914, p. 212. **Reber** (4, p. 178) Amer. Acad. Ophth. and Oto-Laryngol., 1914, p. 208. **Tosi** (4, p. 164) Ophth. Lit., 5, p. 64.

CONJUNCTIVA.

Alter, F. W., and Bonser, W. O. Trachoma Bodies in Trachoma and So-called Inclusion Blennorrhea. (3 ill. Bibl.) Ann. of Ophth., 24, p. 279. Amer. Acad. Ophth. and Oto-Laryngol., 1914, p. 220.

Axenfeld, T. Is There an Immunity to Trachoma. Klin. M. f. Augenh., 54, p. 121.

Bader, A. Subconjunctival Injections of Inorganic Salts and the Dissociation Theory. (Bibl.) Zeit. f. Augenh., 33, p. 1.

Dehogues, J. Antigonococcic Serum for Blennorrhagic Ophthalmia. Arch. de Oft., 15, p. 148.

Downs, L. E. Trachoma. Ky. Med. Jour., 13, p. 223.

Ehlers, E. Antogonococcic Vaccine in Purulent Ophthalmia of Adult. Cent. f. p. Augenh., 39, p. 57.

Finlay, C. E. Trachoma. Arch. de Oft., 15, p. 147.

Hoover, F. P. Trachoma. Jour. Florida Med. Assn., 1, p. 329.

Mittweg. Credé's Treatment by Midwives. Ann. f. d. ges. Hebammenwes., 5, p. 381.

Poulard. Metastatic Ophthalmia. Univ. Med. Record. March. Ophthalmoscope, 13, p. 246.

Sattler, R. Acute (Bacillus Tularense) Conjunctivitis. Arch. of Ophth., 44, p. 265.

Stauck, A. Diphtheritic and Diphtheroid Disease of Eyes. Cent. f. p. Augenh., 39, p. 79.

Siegrist, A., and Schenderowitsch. Treatment of Gonorrheal Ophthalmia in New Born and Adults. Klin. M. f. Augenh., 54, p. 228.

Terson, A. Operation for Pterygium. Ann. d'Ocul., 152, Aug. Ophth. Rev., 34, p. 155.

Uribe y Troncoso. New Operation for Pterygium. Ann. d'Ocul., 152, Aug. Ophth. Rev., 34, p. 154.

Repeated Titles. **Cazalis** (5, p. 37) Ophth. Rev., 34, p. 153. **Gebb** (4, p. 101) Ann. of Ophth., 24, p. 343. **Meyerhoff** (4, p. 179) Ophthalmology, 11, p. 621. **Mohr** (4, p. 39) Ann. of Ophth., 24, p. 361. **Puscariu** (4, p. 179) Ophthalmology, 11, p. 591. **Wolff** (4, p. 179) Ann. of Ophth., 24, p. 361.

CORNEA AND SCLERA.

Axenfeld, T. Leprous Keratitis Punctata and Hematogenous Bacillary Metastases in Non-vascular Cornea. (1 ill.) Klin. M. f. Augenh., 54, p. 201.

Epalza, E. Clinical Characters and Pathologic Anatomy of Rodent Ulcer. (2 ill. 3 pl.) Klin. M. f. Augenh., 54, p. 266.

Foroni, C. Keratectomy. (1 pl.) Arch. f. Augenh., 78, p. 279.

Fromaget, C. Inefficacy of Neo-salvarsan in Keratitis of Hereditary Syphilis. Ann. d'Ocul., 152, Sept. Ophth. Rev., 34, p. 156.

Fuchs, A. Bacteriology of a Corneal Infiltrate. (2 pl.) Arch. f. Augenh., 78, p. 139.

Gertz, O. Congenital Megalocornea. Klin. M. f. Augenh., 54, p. 331.

Goldmund. Pathclogic Anatomy of Scleritis. Rostock Thesis.

Griscom, J. M. Discform Keratitis. Wills Hosp., Ophth. Soc., Dec. 7. Ophth. Rec., 24, p. 262.

Groth, W. Etiology of Keratoconus. Rostock Thesis.

Heed, C. R. Interstitial Keratitis. Wills Hosp., Ophth. Soc., Dec 7. Ophth. Rec., 24, p. 264.

Lotine, A. W. Tubercular Keratitis and Treatment by Tuberculin. Twelfth Int. Cong. Ophth., Petrograd. Clin. Ophth., 20, p. 624. Ophthalmoscope, 13, p. 263.

Lundsgaard. Treatment of Serpent Ulcer. Klin. M. f. Augenh., 54, p. 332.

Markel. Staphyloma of Cornea. Ophth. Rec., 24, p. 266.

Ohm, J. Value of Scarlet Red Salve in Trachomatous Corneal Ulcers. Zeit. f. Augenh., 33, p. 57.

Paul, G. Variolous Cornea of Rabbits (Diagnosis Between Variola and Varicella). Cent. f. Bakt., etc., Orig., 75, p. 592.

Posey, W. C. Sclerosing Keratitis. Wills Hosp., Ophth. Soc., Jan. 9. Ann. of Ophth., 24, p. 439.

Rejschewski. Tuberculin Diagnosis of Phlyctenular Eye Disease. Klin. M. f. Augenh., 54, p. 362.

Rönne, H. Keratomalacia in Infants Fed on Buttermilk. Ugeskrift for Laeger., 67, No. 13.

Stotter, J. Parenchymatous Keratitis; Old and New Antisyphilitic Therapy. Cleveland Med. Jour., 14, p. 285.

Zimmermann, H. Corneal Suppuration With and After Measles. Berlin Thesis. Klin. M. f. Augenh., 54, p. 339.

Repeated Titles. **Christel** (4, p. 179) Ophthalmology, 11, p. 566. **De Lapersonne** (3, p. 134) Ann. of Ophth., 24, p. 349. **Denig** (4, p. 102) Ann. of Ophth., 24, p. 356. **Dimmer** (3, p. 134) Ann. of Ophth., 24, p. 357. **Kuhnt** (5, p. 24) Ophthalmology, 11, p. 566. **Kusama** (4, p. 165) Ophthalmology, 11, p. 565. **Lesser** and **Carsten** (4, p. 71) Ophthalmology, 11, p. 564. **Menacho** (4, p. 180) Ann. of Ophth., 24, p. 572. **Peters** (3, p. 134) Ann. of Ophth., 24, p. 349. **Schieck**

(5, p. 6) Ophthalmology, 11, p. 564. **Staehli** (4, p. 166) Ophthalmology, 11, p. 564.

ANTERIOR CHAMBER AND PUPIL.

Calderaro. Opsonic Influence of Aqueous Humor in Diabetes. Clin. Ocul., 15, p. 1.

Dünner, L. Transient Loss of Pupil Reflex in a Diabetic. Therap. der Gengenwart, 56, No. 4. Jour. A. M. A., 64, p. 1692.

Stanculeanu, G. Cytochemistry of Aqueous Humor and Its Changes Under Subconjunctival Injections. Twelfth Int. Cong. Ophth., Petrograd. Ophthalmoscope, 13, p. 263.

Repeated Titles. **Kirsch** (5, p. 24) Ophthalmology, 11, p. 582. **Oloff** (5, p. 6) Amer. Jour. Ophth., 32, p. 109. **Tamanscheff** (4, p. 166) Ophthalmology, 11, p. 587.

UVEAL TRACT.

Bader, A. Subconjunctival Injection of Potassium Chloride in Uveal Disease. (Bibl.) Zeit. f. Augenh., 33, p. 155.

Bird, U. S. A Pupillary Phenomenon. Ophthalmology, 11, p. 517.

Cirincione, S. Anatomy and Pathogenesis of Aniridia. (6 ill., 1 col. pl.) Clin. Ocul., 15, p. 18.

Dernehl, P. H. Chronic Prostatitis a Probable Factor in Iritis. (Bibl.) Ophthalmology, 11, p. 519.

Elschnig. Intraocular Reposition of Iris. (1 ill.) Klin. M. f. Augenh., 54, p. 186.

Gerwiener, F. Bridge Coloboma of Choroid. Giessen Thesis.

Keppeler, E. Gonorrheal Iritis. (Bibl.) Klin. M. f. Augenh., 54, p. 307.

Kohn, K. Tuberculosis of Iris and Optic Nerve Sheath. (2 ill.) Klin. M. f. Augenh., 54, p. 296.

Posey, W. C. Uveitis of Metastatic Gonorrheal Origin. Wills Hosp. Ophth. Soc., Dec. 7. Ann. of Ophth., 24, p. 433.

Steiner, L. Iris in Congenital Melanosis. Klin. M. f. Augenh., 54, p. 193.

Stilwill, H. R. Keratoiridocyclitis. Colo. Ophth. Soc., Feb. 20. Ann. of Ophth., 24, p. 413.

Waldeck, K. Pathologic Anatomy of Iris Tuberculosis. Münich Thesis.

Weidler, W. B. Tuberculosis of Choroid. Arch. of Ophth., 44, p. 295.

Weisser, E. A. Chronic Iridocyclitis. Ophth. Rec., 24, p. 266.

Repeated Titles. **Koyanagi** (4, p. 166) Ophthalmology, 11, p. 568. **Leoz Ortin** (4, p. 181) Ann. of Ophth., 24, p. 371. **Pollock** (4, p. 55) Ophthalmoscope, 13, p. 242. **Samuels** (4, p. 87) Ann. of Ophth., 24, p. 346. **Scalinci** (5, p. 57) Ophth. Lit., 5 p. 63.

SYMPATHETIC DISEASE.

Birch-Hirschfeld. Sympathetic Ophthalmia From Wounds in War. Med. Klin., No. 13. Jour. A. M. A., 64, p. 1621.

Elschnig, A., Klein, S., and **Kümmell, R.** Sympathetic Ophthalmia in Relation to Ocular War Injuries. Med. Kl., 11, p. 387.

Keutel, J. Is There a Sympathetic Amblyopia? (Bibl.) Klin. M. f. Augenh., 54, p. 250.

Meller, J. Question of Spontaneous Inflammation Causing Sympathetic Disease. (2 ill.) Ann. of Ophth., 24, p. 217.

Neumann, E. A. Lymphocytosis and Ocular Injuries. Cent. f. p. Augenh., 39, p. 94.

Waldeck, G. M. Sympathetic Ophthalmia. Mich. State Med. Soc., 14, p. 265.

Repeated Titles. **Guillery** (5, p. 38) Ophthalmology, 11, p. 629. **Jess** (4, p. 103) Ophthalmology, 11, p. 619. **Sanz Blanco** (4, p. 181) Ann. of Ophth., 24, p. 371.

GLAUCOMA.

Axenfeld, T. Late Infection After Trephining. Klin. M. f. Augenh., 54, p. 265.

Beaudoux, H. A. Corneo-scleral Trephining. Jour.-Lancet, 35, p. 249.
Bell, P. G. Glaucoma. Canadian Med. Assn., 5, p. 39.
Cheney, F. E. Treatment of Glaucoma Simplex. Ophthalmology, 11, p. 457.
Elliot, R. H. Intraocular Pressure and Tension of Eye. (Cont.) Ophthalmoscope, 13, p. 237.
Fage. Prognosis and Treatment of Hydrophthalmos. Arch. d'Opht., 34, p. 574.
Fergus, F. Glaucoma and Trephining. Ophth. Rev., 34, p. 129.
Guglianetti, L. Cicatrization After Antiglaucomatous Corneo-sclerotomy and Permeability of Cicatrix. (Bibl.) Arch. di Ott., v. 22, p. 150.
Haag, C. Glaucoma in the Young. Klin. M. f. Augenh., 54, p. 133.
Haupt, W. Relation of Intraocular Tension to Intravenous Injections of Salt Solution of Different Concentrations. Arch. f. Augenh., 78, p. 359.
Henderson, T. Intraocular Pressure and Tension of Eye. Ophthalmoscope, 13, p. 267.
Leschmann. Glaucoma After Cataract Extraction. Heidelberg Thesis.
Lundsgaard, K. K. K. Experience With Elliot's Operation in Glaucoma. (1 ill.) Klin. M. f. Augenh., 54, p. 209.
McCaw, J. A. Colloidal Theory of Pathology of Glaucoma. Colo. Med., 12, p. 149. Ophth. Rec., 24, p. 284.
Menacho, M. Grippe as Cause of Glaucoma. Arch. de Oft., 15, p. 135.
Moore, R. F. Intraocular Tension; Special Reference to Its Variations in General and Local Disease. (Bibl.) Roy. London Ophth. Hosp. Rep., 20, p. 108.
Pentius, P. J. Elliot Operation With Complications. Wills Hosp. Ophth. Soc., Nov. 10. Ophth. Rec., 24, p. 259.
Risley, S. D. Significance of Increased Tension of Eyeball. Ophthalmology, 11, p. 446.
Trantas. New Methods of Sclerectomy for Glaucoma. Klin. M. f. Augenh., 54, p. 353.
Wessely, K. Intraocular Pressure. (15 ill.) Arch. f. Augenh., 78, p. 247.
Van Geuns, J. R. Trephining in Glaucoma. Zeit. f. Augenh., 33, p. 225.
Wood, C. A. Sclero-corneal Seton in Treatment of Glaucoma. (4 ill.) Ophth. Rec., 24, p. 235.
Aqueoplasty. (Dis.) Chicago Ophth. Soc., Feb. 15. Jour. Ophth. and Oto-Laryngol., 9, p. 127.
Repeated Titles. **Albanese** (5, p. 7) Ophth. Lit., 5, p. 61. **Behr** (4, p. 103) Ophthalmology, 11, p. 579. **Bentzen** (4, p. 7) Klin. M. f. Augenh., 54, p. 329. **Butler** (4, p. 87) Ann. of Ophth., 24, p. 359. **Casolino** (4, p. 167) Ophthalmoscope, 13, p. 242. **Elliot** (4, p. 151) Ophthalmology, 11, p. 575. **Gjessing** (4, p. 181) Ophthalmology, 11, p. 578. **Holt** (5, p. 7) Amer. Acad. Ophth. and Oto-Laryngol., 1914, p. 251. **Kochmann** and **Römer** (4, p. 151) Ophthalmology, 11, p. 612. **Kümmell** (4, p. 41) Ann. of Ophth., 24, p. 354. **Stoewer** (4, p. 181) Ophthalmology, 11, p. 578. **Uribe y Troncoso** (4, p. 167) Ophthalmology, 11, p. 615. Ophthalmoscope, 13, p. 242.

CRYSTALLINE LENS.

Auten, F. E. Smith Intracapsular Operation; Reply to F. B. Tiffany. Ann. of Ophth., 24, p. 295.
Baxter, J. M. Prenatal Corneal Opacities. Med. Jour., Austral., 2, p. 8.
Bookless, J. S. Congenital Post-nuclear Opacities of Lens. Proc. Roy. Soc. Med., Ophth. Sec., v. 7, p. 111.
Cates, T. H. Anterior Lens Ring Following Contusion. (Bibl.) Ophth. Rec., 24, p. 244.
Ewing, A. E. New Conjunctival Flap Incision in Cataract Extraction. Amer. Jour. Ophth., 32, p. 107.

Fisher, W. A. Loss of Vitreous in Intracapsular Cataract Extraction. (9 ill. Dis.) Amer. Acad. Ophth. and Oto-Laryngol., 1914, p. 236.

Heyl, T. Cataract Statistics Showing Relation Between Maturity of Cataract and Frequency of After-cataract. Arch. f. Augenh., 78, p. 239.

Muncaster, S. B. Causes of Second Sight. Ophthalmology, 11, p. 501.

Neves da Rocha. Euphthalmin in Nuclear Cataract. Clin. Opht., 20, p. 637.

Santos Fernandez, J. Diagnosis and Extraction of Black Cataract. Arch. de Oft., 15, p. 148.

Saupe, K. Results of Operations for Juvenile Cataract. Jena Thesis.

Starkey, H. M. Expulsive Retrochoroidal Hemorrhage Following Cataract Extraction. Ophthalmology, 11, p. 485.

Todd, F. C. Cataract Incision Leaving Conjunctival Bridge on Temporal Side. (3 ill.) Amer. Acad. Ophth and Oto-Laryngol., 1914, p. 232.

Vogt, A. Human Lens Shagreen and the Shagreen Sphere. Klin. M. f. Augenh., 54, p. 194.

Von Hippel, E. Studies of Römer and Gebb on Biologic Relations of Blood Serum to Lens Albumin. Arch. f. Augenh., 78, p. 364.

Wachs, H. Study of Lens Regeneration. (9 pl.) Zeit. f. Augenh., 33, p. 220.

Wible. Cataract From Excessive Heat. Ophth. Rec., 24, p. 265.

Repeated Titles. **Böhm** (4, p. 167) Ophthalmology, 11, p. 558. **Bonnaud** (4, p. 41) Ophth. Rev., 34, p. 146. **Constantinescu** (4, p. 56) Ophth. Rev., 34, p. 144. **Purtscher** (3, p. 137) Ann. of Ophth., 24, p. 350. **Santos Fernandez** (4, p. 182) Ann. of Ophth., 24, p. 372. **Schanz** (4, p. 152) Ophthalmology, 11, p. 559. **Schieck** (4, p. 9) Ophthalmoscope, 13, p. 254. **Truc** (4, p. 41) Ann. of Ophth., 24, p. 369. **Tydings** (5, p. 8) Amer. Acad. Ophth. and Oto-Laryngol., 1914, p. 227. **Wylie** (4, p. 40) Amer. Acad. Ophth. and Oto-Laryngol., 1914, p. 273.

VITREOUS.

Filehne, W. Possible Origin of Scintillating Scotoma. Zeit. f. Augenh., 33, p. 78.

Killick, C. Complete Persistent Hyaloid Artery. Proc. Roy. Soc. Med., Sec. on Ophth., v. 7, p. 9.

Krebs, A. Anomalous Vitreous Vessel. Ophth. Rec., 24, p. 266.

Repeated Titles. **Westpfahl** (5, p. 40) Ophthalmology, 11, p. 612.

RETINA.

Brummertz, W. Glycogen in Retina. Arch. f. Mikroskop. Anat., 86, Ht. 1 and 2.

Jackson, E. Tuberculosis of Retinal Vessels. Colo. Ophth. Soc., Feb. 20. Ann. of Ophth., 24, p. 416.

Kraupa, E. Anastomoses in Papillary and Retinal Veins. (Bibl. 13 ill.) Arch. f. Augenh., 78, p. 182.

Kümmell, R. Pulse Appearance in Ocular Vessels. (Bibl.) Arch. f. Augenh., 78, p. 336.

Mayou, M. S. Retinitis Pigmentosa Treated by Trephining. Lancet, May 1, p. 928.

Phillips, W. L. Transparency of Retinal Blood Column. Amer. Acad. Ophth. and Oto-Laryngol., 1914, p. 280.

Posey, W. C. Detachment of Retina. Ophth. Rec., 24, p. 258.

Salus, R. Retinochoroidal Venous Anastomoses. Cent. f. p. Augenh., 39, p. 80.

Santos Fernandez, J. Fundus in Rabies. Arch. de Oft., 15, p. 146.

Schüler, C. R. Dazzling After Observing Eclipse of Sun. Cent. f. p. Augenh., 39, p. 95.

Stargardt. Dark Adaptation of Eyes With Paralysis of Sympathetic. Zeit. f. Augenh., 33, p. 149.

Stricker. Eye Changes With Sun Blinding. Strasburg Thesis. Klin. M. f. Augenh., 54, p. 348.

Walker, C. H. Cure of Spontaneous Detachment of Retina by Multiple Scleral Puncture. Lancet, May 1, p. 928.

Repeated Titles. **Darier** (4, p. 9) Ophth. Rev., 34, p. 148. **Diem** (4, p. 182) Ophthalmology, 11, p. 617. **Gildemeister** (4, p. 105) Cent. f. p. Augenh., 39, p. 78. **Jackson** (5, p. 58) Amer. Jour. Ophth., 32, p. 97. **Palich-Szanto** (5, p. 40) Ophth. Lit., 5, p. 63. **Santos Fernandez** (5, p. 25) Ann. of Ophth., 24, p. 375. **Stern** (3, p. 138) Ann. of Ophth., 24, p. 352. **Vogt** (5, p. 40) Ophthalmology, 11, p. 633.

TOXIC AMBLYOPIAS.

Tyson, H. H. Changes in Blood and Aqueous Humor in Methyl Alcohol Inhalation. Arch. of Ophth., 44, p. 275.

Repeated Titles. **Von Speyr** (4, p. 183) Ophthalmology, 11, p. 183.

OPTIC NERVE.

Boyd, E. T. Atrophy of Optic Nerve Following Abscess of Lacrimal Sac. Colo. Ophth. Soc., Feb. 20. Ophth. Rec., 24, p. 273. Ann. of Ophth., 24, p. 411.

Clouting, E. S. Optic Neuritis Concurrent With Whooping Cough. New York Med. Jour., 101, p. 1051.

Fernandez, F. M. Optic Atrophy in Makers of Charcoal. Arch. de Oft., 15, p. 149.

Goldenburg, M. Anomalous Nerve Heads With Good Vision. (Bibl. 1 col. pl.) Arch. of Ophth., 44, p. 246.

Gradle, H. S. Abscess of Optic Nerve. (2 ill. Bibl.) Amer. Acad. Ophth. and Oto-Laryngol., 1914, p. 103.

Holloway, T. B. Hole in Disc Associated With Vibration of Overlying Membrane. (1 pl. Bibl.) Ophth. Rec., 24, p. 250.

Jobson, G. B. Ocular Symptoms of Otitic Brain Abscess and Thrombosis. Amer. Acad. Ophth. and Oto-Laryngol., 1914, p. 21.

Poller, L. Disease of Optic Nerve With Sinus Disturbances. Berlin Thesis. Klin. M. f. Augenh., 54, p. 346.

Posey, W. C. Syphilitic Neuro-retinitis. Wills Hosp. Ophth. Soc., Nov. 10. Ann. of Ophth., 24, p. 259.

Optic Nerve Atrophy From Ethmoid Disease. Wills Hosp. Ophth. Soc., Jan. 9. Ann. of Ophth., 24, p. 439.

Rogalla, B. Disease of Optic Nerve With Defect of Visual Field. Berlin Thesis. Klin. M. f. Augenh., 54, p. 343.

Sartorius, A. Drusen Formation in Optic Nerve Head. Deutsche Zeit. f. Nervenheilk., 53, Ht. 3 and 4.

Ten Doesschate, G., and **De Kleijn, A.** Bilateral Atrophy of Optic Nerve After Fracture of Skull. Nederl. Tijdschr. v. Geneesk, March 27.

Repeated Titles. **Carreras** (4, p. 183) Ann. of Ophth., 24, p. 370. **De Kleijn** (4, p. 26) Ophthalmoscope, 13, p. 232. **Frenkel** (3, p. 138) Ann. of Ophth., 24, p. 355. **Igersheimer** (4, p. 168) Ophthalmology, 11, p. 610.

TRACTS AND CENTERS.

Barbazan, M. Hemianopsia in Gunshot Wounds of Skull. Paris Thesis. Klin. M. f. Augenh., 54, p. 350.

Buhl. Syphilitic Disease of Visual Tracts. Kiel Thesis. Klin. M. f. Augenh., 54, p. 364.

Cantonnet, A. Homonymous Hemianopsia From Gunshot Wounds of Skull. Arch. d'Opht., 34, p. 588.

Edridge-Green, F. W. The Scotoma of Migrain. Lancet, April 24, p. 847; May 8, p. 992.

Garach, P. M. L. Ocular Symptoms of Fracture of Base of Skull. Klin. M. f. Augenh., 54, p. 348.

Higgens, C. The Scotoma of Migrain. Lancet, May 1, p. 935.

Klots, P. S. Tumor of Hypophysis. Zeit. f. Augenh., 33, p. 225.

Knapp, A. Pituitary Disease With Unusual Eye Symptoms. Arch. of Ophth., 44, p. 296.

MacDougall. Influence of Eye Movements in Judgment of Number. Amer. Jour. Physiol., 37, No. 2.

Posey, W. C. Unusual Changes in Visual Fields. Jour. Amer. Med. Assn., 64, p. 1549.

Rosenmeyer. Transient Cortical Blindness From Occipital Injury. Münch. Med. Woch., p. 18.

Schoenholzer. Tumors of Hypophysis. Ann. of Ophth., 24, p. 354.

Schröck, R. Congenital Word Blindness. (Bibl.) Klin. M. f. Augenh., 54, p. 167.

Walker, C. B. The Wilbrand Test With a New Instrument. (4 ill. Bibl.) Amer. Acad. Ophth. and Oto-Laryngol., 1914, p. 37.

Würdemann, H. V. Eye Symptoms of Hypophyseal Disease. (6 ill.) Ophthalmology, 11, p. 472.

Repeated Titles. **Heinrichsdorff** (4, p. 169) Ophthalmology, 11, p. 628. **Langdon** (4, p. 139) Ann. of Ophth., 24, p. 266. **Lenz** (4, p. 169) Ophthalmology, 11, p. 629.

COLOR VISION.

Dittler and Satake. Method of Measuring Contrast of Color Spectrum. Zeit. f. Augenh., 33, p. 77.

Edridge-Green, F. W. Color Vision Theories. Brit. Med. Jour., April 17, p. 698.

Köllner, H. Transitions From Normal Color Sense to Congenital Red-green Blindness, and Their Quantitative Estimation. (8 ill.) Arch. f. Augenh., 78, p. 302.

Larsen. Spectral Color Apparatus. Hospitalstidende, 1914, p. 1196.

Nettleship, E. Pedigrees of Color Blindness. Roy. London Ophth. Hosp. Rep., 20, p. 93.

Parsons, J. H. An Introduction to the Study of Color Vision. 308 pp. Cambridge Univ. Press, 1915.

Regulations of Austrian Army As to Color Tests. Ophthalmology, 11, p. 631.

Rochat. Apparatus to Demonstrate Anomalies of Color Sense. Zeit. f. Augenh., 33, p. 225.

Scheidemann. Color Tables and New Procedures With Anomaloscope. Zeit. f. Augenh., 33, p. 79.

EYEBALL.

Busch, W. Enucleation and Evisceration in the Heidelberg Clinic, 1910 to 1912. Heidelberg Thesis.

Cantonnet, A. Persistence of Light Perception in Atrophied Eyeball. Arch. d'Opht., 34, p. 588.

Manson, J. S. Congenital Absence of Both Eyeballs. Brit. Med. Jour., May 8, p. 801.

Petzoldt. Blennorrhea and Panophthalmitis. Arch. f. Schiffs-u. Tropen-Hyg., 18, p. 812.

Pitfield, R. L. Panophthalmia in Pneumonia. Med. Rec., 87, p. 813.

Santos Fernandez, J. Anophthalmos and Cryptophthalmos. Arch. de Oft., 15, p. 146.

Schoute, G. J. Use of Bone Sphere in Tenon's Capsule for Prothesis. Zeit. f. Augenh., 33, p. 61.

Streiff, J. Tattooing Problem. (1 ill.) Klin. M. f. Augenh., 54, p. 184.

Swiney, M. A. Congenital Absence of Eyeballs. Amer. Jour. Obst., 71, p. 779.

Thomsen, C. Inheritance of Microphthalmos With and Without Cataract. (Bibl.) Klin. M. f. Augenh., 54, p. 236.

Repeated Titles. **Augstein** (4, p. 183) Ophthalmology, 11, p. 551.

THE LACRIMAL APPARATUS.

Harmer, W. D. Intranasal Treatment for Dacryocystitis. Lancet, May 1, p. 928.

Jacobson, A. S. Operative Treatment of Chronic Obstruction of Tear Passages. Nederl. Tijdschr. v. Geneesk, 1914, p. 1895.

Lynch, R. C. Treatment of Lacrimal Obstruction. New Orleans Med. and Surg. Jour., May, p. 916.

Rochat. Operative Treatment of Chronic Disease of Lacrimal Gland. Nederl. Tijdschr. v. Geneesk, 1914, p. 413.

Weidler, W. B. Congenital Fistula of Lacrimal Sac. Arch. of Ophth., 44, p. 295.

Wheeler, J. M. Removal of Lacrimal Sac and Accessory Lacrimal Gland. Intern. Jour. of Surg., 28, p. 106.

Repeated Titles. **Campos** (4, p. 184) Ann. of Ophth., 24, p. 374. **Clark** (5, p. 10) Amer. Acad. Ophth. and Oto-Laryngol., 1914, p. 82. Ophthalmology, 11, p. 462. **Fava** (4, p. 184) Ann. of Ophth., 24, p. 376. **Fava** (5, p. 42) Ophth. Lit., 5, p. 62. **Kuhnt** (4, p. 90) Ann. of Ophth., 24, p. 360. **Rochat and Benjamins** (4, p. 184) Ophthalmology, 11, p. 588. **Rubbrecht** (5, p. 26) Ann. of Ophth., 24, p. 374.

LIDS.

Beil, J. W. Affections of Margins of Lids. Weekly Bull. Jackson Co. (Mo.) Med. Soc., Jan. 8. Ophthalmology, 11, p. 589.

Bikelas and Zbyszewski. Relation of Orbicularis to Cerebral Irritation. Zeit. f. Augenh., 33, p. 88.

Chance, B. Raising of Upper Lid With Abduction. Wills Hosp. Ophth. Soc., Nov. 10. Ophth. Rec., 24, p. 256.

Kuhnt, H. Control of Epiphora From Eversion of Lower Lid. Zeit. f. Augenh., 33, p. 187.

Correction of Extreme Traumatic Ectropion. Zeit. f. Augenh., 33, p. 198.

Leoz, G. New Method of Autoplasty of Lower Lid. (3 ill.) Arch. de Oft., 15, p. 131.

Marquez. New Operation for Cicatricial Ectropion. (6 ill.) Arch. de Oft., 15, p. 127.

Posey, W. C. Tansley-Hunt Operation. Wills Hosp. Ophth. Soc., Jan. 9. Ann. of Ophth., 24, p. 439.

Starr, E. G. Operation for Prevention of Symblepharon. (1 ill.) Amer. Acad. Ophth. and Oto-Laryngol, 1914, p. 249.

Tick. Relation Between Winking Reflex and Bell's Phenomenon. Zeit. f. Augenh., 33, p. 88.

Repeated Titles. **Kugel** (4, p. 154) Ophthalmology, 11, p. 590. **Steindorff** (4, p. 170) Ophthalmology, 11, p. 583.

ORBIT.

Ballaban, T. Brain Abscess of Orbital Region. Prag. Med. Woch., 1914, No. 3.

Barkan, O. Position of Eyes in Orbit Under Physiologic Conditions. Münich Thesis.

Bedell, A. J. Traumatic Pulsating Exophthalmos. (Bibl. 4 ill.) Amer. Acad. Ophth., Oto-Laryngol., 1914, p. 64.

Cantonnet, A. Arterio-venous Aneurysm of Orbit. Arch. d'Opht., 34, p. 583.

Chance, B. Contracted Socket Enlarged by Method of Maxwell. Wills Hosp. Opht. Soc., Nov. 10. Ophth. Rec., 24, p. 256.

Coats, G. Discrete Lymphoid Infiltration of Orbit. (3 ill.) Arch. of Ophth., 44, p. 221.

Fels, A. Invasion of Orbit From Neighboring Sinuses. Münich Thesis.

Fisher, F. Proptosis With Sudden Blindness. Wills Hosp. Ophth. Soc., Nov. 10. Ophth. Rec., 24, p. 260.

Hansell, H. F. Traumatic Enophthalmos. Ophth. Rec., 24, p. 240.

Kuhnt, H. Mucocele of Frontal and Ethmoidal Sinuses With Sudden Exophthalmos. Zeit. f. Augenh., 33, p. 64.

Lamb, R. S. Subperiosteal Blood Cyst (?) of Orbit Simulating Osteosarcoma. (Bibl.) Ophthalmology, 11, p. 487.

Nüvemann, R. Tetanus Infection of Punctured Wound of Orbit Without Outbreak of Tetanus. Giessen Thesis.

Pincus, F. Bilateral Acute Serous Tenonitis. (3 ill.) Arch. of Ophth., 44, p. 291.

Pissarello, C. Spontaneous Hemorrhage of Orbit (Subperiosteal). (Bibl.) Arch. di Ott., 22, p. 129.

Posey, W. C. Pulsating Exophthalmos. Wills Hosp. Ophth. Soc., Jan. 9. Ann. of Ophth., 24, p. 438.

Willard, L. M. Exophthalmic Goitre With Ocular Muscle Complications. Wis. Med. Jour., 13, p. 479.

PARASITES.

Betti, L. Ophthalmomyiasis. (1 pl. Bibl.) Klin. M. f. Augenh., 54, p. 275.

Coats, G. Parasites in Eyelid and Anterior Chamber of Animals. Lancet, May 1, p. 929.

TUMORS.

Anders, H. Retro-ocular Glioma. Virchow's Arch., 218, p. 3.

Bloom, J. D. Angioma of Eyelid. Urol. and Cutan. Rev., 19, p. 326.

Clark, W. L. Desiccation Treatment of Epitheliomata and Nevus of Lids and Canthi. Wills Hosp. Ophth. Soc., Jan. 9. Ann. of Ophth., 24, p. 439.

Coats, G. Lymphoma and Lymphosarcoma of Conjunctiva. (3 ill.) Arch. of Ophth., 44, p. 235.

Crigler, L. W. Dermoid of Eyeball. Arch. of Ophth., 44, p. 299.

Dabney, S. G. Intraocular Neoplasms; Subsequent History. Amer. Jour. Surg., 29, p. 185.

Deutschmann, R. Intraocular Tumors and Radio-therapy. Zeit. f. Augenh., 33, p. 206.

Fisher, F. Recurrent Sarcoma of Orbit. Wills Hosp. Ophth. Soc., Nov. 10. Ophth. Rec., 24, p. 260.

Heath, F. C. Ocular Tumors and Their Lessons. Jour. Ind. State Med. Assn., 8, p. 239.

Juler, F. A. Papilloma Removed From Upper Canaliculus. Lancet, May 1, p. 929.

Mackay, G. Lymphangioma of Orbit With Hemorrhage. Lancet, May 1, p. 929.

Posey, W. C. Epithelioma of Lid. Wills Hosp. Ophth. Soc., Dec. 7. Ophth. Rec., 24, p. 261. Ann. of Ophth., 24, p. 426.

Reis, W. Can a Derivation of Retinal Glioma From Pigment Epithelium Be Shown? (1 ill. 3 pl.) Zeit. f. Augenh., 33, p. 175.

Risley, S. D. Epithelioma of Lid. Wills Hosp. Ophth. Soc., Jan. 9. Ann. of Ophth., 24, p. 437.

Teipel, F. Orbital Encapsulated Sarcoma; Incision at Orbital Margin. Giessen Thesis.

Verhoeff, F. H. Plasmoma of Lacrimal Sac. (4 ill. Bibl.) Arch. of Ophth., 44, p. 252.

Whale, G. H. L. Perithelioma of Superior Maxilla and Ethmoid. (6 ill.) Lancet, May 15, p. 1013.

Wray, C. Diagnosis and Treatment of Bony Tumors of Orbit. Lancet, May 1, p. 928.

Repeated Titles. **Axenfeld, Küpferle** and **Wiedersheim** (5, p. 43) Ophth. Lit., 5, p. 61. **Berg** (4, p. 170) Ophthalmology, 11, p. 624. **Camison** (4, p. 185) Ann. of Ophth., 24, p. 371. **Cramer** (4, p. 170) Ophthalmology, 11, p. 626. **Fehr** (3, p. 141) Ann. of Ophth., 24, p. 349. **Ishihara** (4, p. 170) Ophthalmology, 11, p. 626. **Komoto** (4, p. 171) Ophthalmology, 11, p. 628. **McBurney** (4, p. 171) Ophthalmology, 11, p. 624. **Santos Fernandez** (4, p. 185) Ann. of Ophth., 24, p. 373.

INJURIES.

Adam, C. Eye Injuries in War. (2 ill.) Med. Klin., 11, pp. 32, 67.

Altuna, M. Treatment of Injuries of Cornea. Arch. de Oft., 15, p. 148.

Bell, G. H. Foreign Body Removed From Globe. Arch. of Ophth., 44, p. 299.

Boyd, E. T. Penetrating Injuries to Eye. Colo. Ophth. Soc., Feb. 20. Ophth. Rec., 24, p. 272. Ann. of Ophth., 24, p. 410.

Cantonnet, A. Subconjunctival Luxation of Orbital Lacrimal Gland. Arch. d'Opht., 34, p. 582.

Cosmettatos, G. F. Wounds of Eyes by Hand Grenades During War. Clin. Opht., 20, p. 639.

Injuries to Eyes by Gunshot Wounds During War. Arch. f. Augenh., 78, p. 129.

Crisp, W. H. Injury to Eye; Iris Prolapse. Colo. Ophth. Soc., Feb. 20. Ann. of Ophth., 24, p. 414.

Darier, A. Ocular Injuries of War. Clin. Opht., 20, p. 642.

De Haas, H. K. Conjunctival Granuloma From Foreign Body. Zeit. f. Augenh., 33, p. 225.

De Lapersonne, F. Oculo-sympathetic Syndrome; Fragment of Ball in Sixth Cervical Vertebra. Arch. d'Opht., 34, p. 580.

Delorme. Visual Disturbances From Head Wounds by Projectiles. Bull. de l'Acad. de Méd., 73, p. 397.

Greene, H. C. Non-industrial Injuries to Eye. Interstate Med. Jour., 22, p. 457.

Heckel, E. B. Unusual Foreign Body in Orbit. Ophth. Rec., 24, p. 265.

Jessop, W. H. H. Ophthalmic Injuries in Warfare. Ophthalmoscope, 13, p. 247.

Lang, T. B. Traumatic Enophthalmos. Proc. Roy. Soc. Med., v. 7; Sec. on Ophth., p. 109.

Lister, W. E. Ophthalmic Injuries in Warfare. Ophthalmoscope, 13, p. 247.

Ormond, A. W. Injuries to Eyes in Warfare. (Dis.) Lancet, May 1, pp. 928, 929.

Ringle, C. A. Rupture of Globe. Colo. Ophth. Soc., Feb. 20. Ann. of Ophth., 24, p. 416.

Sager, W. Injuries of Eye by Small Shot. (Bibl.) Zeit. f. Augenh., 33, p. 36.

Spiro. Ophthalmic Notes From the Field. Cent. f. p. Augenh., 39, p. 49.

Stargardt. Bullet Injury of Orbit. Klin. M. f. Augenh., 54, p. 351.

Stieren, E. Chemical Burn of Eye From Indelible Pencil. Ophth. Rec., 24, p. 267.

Tresling, J. H. A. T. Wounds of Optic Nerve. (1 ill.) Klin. M. f. Augenh., 54, p. 188.

Woodson, J. M. Eye Injuries. Texas State Jour. Med., 11, p. 38.

Repeated Titles. **Baudry** (4, p. 122) Ophthalmoscope, 13, p. 260. **Bielschowsky** (5, p. 43) Ophthalmology, 11, p. 631. **De Lapersonne** (5, p. 43) Ann. of Ophth., 24, p. 365. **Eason** (4, p. 91) Ophthalmoscope, 13, p. 260. **Elschnig** (3, p. 141) Ann. of Ophth., 24, p. 359. **Genet** (4, p. 61) Ophthalmoscope, 13, p. 260. **Strebel** (4, p. 185) Ophthalmology, 11, p. 584. **Von Speyr** (4, p. 172) Ophthalmology, 11, p. 583.

PATHOLOGY.

Burdick, A. F. Physiologic Physics in Relation to Eye and Ear. Jour. Mich. State Med. Soc., Jan.

Contino, A. Glycogen in Normal and Pathologic Tissues of Human Eye. (2 pl.) Clin. Ocul., 14, p. 1729.

Selenkowsky, I. W. Endogenous Infection As the Cause of Eye Diseases. Twelfth Int. Ophth. Cong., Petrograd. Ophthalmoscope, 13, p. 246.

Strebel, J., and Steiger, O. Correlation of Heredity and Eye Conditions. (5 ill. 9 pl. Bibl.) Arch. f. Augenh., 78, p. 208.

Repeated Titles. **Hegner** (4, p. 186) Ophthalmoscope, 13, p. 252. **Laganá** (4, p. 186) Ann. of Ophth., 24, p. 377. **Laganá** (5, p. 44) Ophth. Lit., 5, p. 63.

GENERAL DISEASES.

Bishop, L. F. Relation of Arteriosclerosis to Ophthalmology, etc. New York Med. Jour., 101, p. 987.

Dutrow, H. V. Reflex Ocular Disturbances Due to Impacted Third Molars. (1 pl.) Ophth. Rec., 24, p. 253.

Gunson, E. B. Ocular-cardiac Reflex. Brit. Jour. Child. Dis., 12, p. 97. Jour. Amer. Med. Assn., 64, p. 1685.

Levine, S. A. Ocular Reflex. Arch. of Int. Med., 15, p. 758.

MacKenzie, G. W. Relationship of Dental Pathology to Eye, Ear, Nose and Throat Conditions. Jour. Ophth., Otol. and Laryngol., May, p. 434.

Marple, W. E. Arteriosclerosis As Seen by the Ophthalmologist. New York Med. Jour., 101, p. 988.

Pemberton, H. S. Psychology of Traumatic Amblyopia Following Explosion of Shells. Lancet, May 8, p. 967.

Stanziale, R. Experimental Leprous Lesions of Rabbit Eye. Cent. f. Bakt., etc., Orig., 75, p. 498.

Stark, H. H. Eye Involvement Caused by Focal Infection of Teeth. New Mexico Med. Assn. Jour., 5, No. 9.

Verwey. Ocular Tuberculosis. Nederl. Tijdschr. v. Geneesk, 1914, p. 1123.

Repeated Titles. **Ascher** (4, p. 186) Ophthalmology, 11, p. 567. **Frenkel** and **Nicolas** (5, p. 44) Ann. of Ophth., 24, p. 369. Ophthalmoscope, 13, p. 252. **Meller** (3, p. 142) Ann. of Ophth., 24, p. 352. **Terlinck** (4, p. 110) Ann. of Ophth., 24, p. 350.

COMPARATIVE OPHTHALMOLOGY.

Coats, G. Choroid and Retina of the Fruit-bat. Lancet, May 1, p. 929.

Ekman, G. Experiments on Lens Formation in the Hyla Arborea. (19 ill.) Zeit. f. Augenh., 33, p. 212.

Yerkes, R. M., and **Eisenberg, A. M.** Color Vision in Ring Dove. Jour. Animal Behavior, 5, p. 25.

Repeated Titles. **Menacho** (4, p. 186) Ann. of Ophth., 24, p. 370. **Schleich** (3, p. 142) Ann. of Ophth., 24, p. 363. **Wychgram** (4, p. 186) Cent. f. p. Augenh., 39, p. 78.

HYGIENE.

Barr, D. D. Eye-strain in School Children. Med. Council, 20, p. 39.

Bernoulli. Ambulatory Treatment of Eye Diseases. Klin. M. f. Augenh., 54, p. 362.

Hess, W. L. Some Affections of Eye From Undue Exposure to Light. Colo. Med., 12, p. 143.

Hughes, W. F. Effects of Light Upon Eye. Jour. Ind. State Med. Assn., 8, p. 242.

Lundsgaard, K. K. K. Prevention of Eclipse Scotoma. Klin. M. f. Augenh., 54, p. 328.

Stevenson, M. D. Importance of Eyesight and Its Conservation in Movement for Prevention of Accidents. Ophthalmology, 11, p. 437. Ohio State Med. Jour., 11, p. 309.

Repeated Titles. **Holth** (5, p. 28) Ophthalmoscope, 13, p. 267. **Jackson** (4, p. 186) Jour. Ophth. and Oto-Laryngol., 9, p. 136. **Krückmann** and **Von Kern** (4, p. 92) Ophthalmology, 11, p. 609.

OPHTHALMIC SOCIOLOGY AND HISTORY.

Albertotti. Notes on Teaching of Ophthalmology and History of Spectacles. Clin. Ocul., 14, p. 1778.

Coats, G. The Chevalier Taylor. (2 ill.) Roy. London Hosp. Ophth. Rep., 20, p. 1.

Ginestous, E. Visual Fitness for Military Service. Bull. de l'Acad. de Méd., 73, p. 432.

Hirschberg, J. History of Luminosity of Eyes. Cent. f. p. Augenh., 39, p. 81.

Holt, E. E. Economics of Eye, Ear, Nose and Throat, Together With Economics of Entire Body. Amer. Acad. Ophth. and Oto-Laryngol, 1914, p. 109. Ophthalmology, 11, p. 526.

Industrial Education of Those Blinded by War. Jour. Amer. Med. Assn., 64, p. 1597.

MacCallan, A. F. Turkish Clearing Hospital. (1 ill.) Ophthalmoscope, 13, p. 235.

Moore, T. W. Eye Clinics of Paris. Amer. Acad. Ophth. and Oto-Laryngol., 1914, p. 267.

Ray, J. M. President's Address. Amer. Acad. Ophth. and Oto-Laryngol., 1914, p. 1.

Rosenstein. Ophthalmologists at the Front. Klin. M. f. Augenh., 54, p. 350.

Spalding, J. A. Conservation of Vision. Amer. Acad. Ophth. and Oto-Laryngol., 1914, p. 7.

Whitham, L. B. Relation of Ophthalmic Department to General Hospital. Mod. Hosp., 4, p. 304.

Repeated Titles. **Erb** (4, p. 142) Ophthalmology, 11, p. 632. **Perlmann** (4, p. 64) Ophthalmology, 11, p. 596. **Perlmann** (5, p. 28) Ophthalmology, 11, p. 596. **Seligmann** (4, p. 142) Ophthalmology, 11, p. 597.

Abstracts From Foreign Journals

Westpfahl, H. A. Synchisis Scintillans. (Archiv für Augenheilkunde, vol. 78, p. 1.)

Forty cases of synchisis scintillans observed in the Würzburg clinic are tabulated with regard to the ocular conditions present. In thirty-six of the cases the synchisis was unilateral. Its degenerative character is evidenced both by its appearance in advanced age, along with other senile changes, and by the fact that the appearance of synchisis scintillans in earlier years is associated with severe degenerations of the whole eyeball (post-traumatic retinal detachment, phthisis bulbi).

In almost half the cases synchisis scintillans was found in eyes with normal fundus and good visual acuity. A toxic effect of possible oxidation products of cholesterin in the vitreous on the retina can thus be excluded. In 25 per cent synchisis was accompanied by more or less advanced senile cataract. The fact that the average age of these patients was 70 years makes it at least as probable that the coincidence was accidental as that there is any etiologic connection between the two affections. The average age of all the patients in whom synchisis was observed was 64 years.

Of the remaining 28 per cent of the cases in which synchisis scintillans was associated with another internal disease of the eye, it was possible in less than half to regard the latter conditions as the causes of cholesterin formation.

Le Roux, H. Ocular Pemphigus. Archives d'Ophthalmologie, vol. 33, p. 750.

A girl of 9 years, so poorly nourished that she had the appearance of being only 5 years old, had been affected since birth with general pemphigus. There were always present on some part of the body crops of blisters, which rapidly bursted and were replaced by exuding crusts. The face was the only part which had always remained free from attack. The eyes, however, had been affected five or six times during her stay of four and a half years in the hospital. Each of these attacks set in with intense photophobia and lacrimation, but without notable muco-purulent secretion. The skin surface of the lids was the seat of bullae like those on the rest of the body, and which

on bursting discharged a lemon-colored fluid. The bulbar conjunctiva, moderately injected, was the seat of similar blebs. The like occurrence on the cornea produced the appearance of this structure being covered by a sort of onion skin, very thin and in folds. This was the corneal epithelium, which was in large part detached from the underlying tissues. Sometimes one, sometimes both eyes were affected. On each occasion the ocular condition yielded with surprising rapidity to treatment with hot compresses, atropin and ointment of the yellow oxide of mercury. At the time of writing the cornea showed only slight opacities, which caused but little reduction in the visual acuity, and there had been no cicatricial contraction of the conjunctiva.

Ophthalmic Journals

American Journal of Ophthalmology, St. Louis, Mo.
Anales de Oftalmologia, Mexico City, Mexico.
Annales d'Oculistique, Paris, France.
Annali di Ottalmologia, Pavia, Italy.
Annals of Ophthalmology, St. Louis, Mo.
Archiv für Augenheilkunde, Wiesbaden, Germany.
Albrecht v. Graefe's Archiv für Ophthalmologie, Leipsic, Germany.
Archiv für vergleichende Ophthalmologie, Leipsic, Germany.
Archives d'Ophtalmologie, Paris, France.
Archives of Ophthalmology, New York, N. Y.
Archivio di Ottalmologia, Naples, Italy.
Archivos de Oftalmologia Hispano-Americanos, Barcelona, Spain.
Atti dell'Associazione Ottalmologica Italiana, Pavia, Italy.
Beiträge zur Augenheilkunde, Leipsic, Germany.
Centralblatt für praktische Augenheilkunde, Leipsic, Germany.
La Clinica Oculistica, Rome, Italy.
La Clinique Ophtalmologique, Paris, France.
L'Ophtalmologie Provinciale, Tours, France.
Journal Ophthalmology and Oto-Laryngology, Chicago, Ill.
Journal Ophthalmology, Otology and Laryngology, Lancaster, Pa.
Klinische Monatsblätter für Augenheilkunde, Stuttgart, Germany.
Mitteilungen aus der Augenklinik des Carolinischen Medico-Chirurgischen Instituts, Jena, Germany.
Nippon Gankwa Gakukwai Zasshi, Tokyo, Japan.
Ophthalmic Literature, Denver, Colo.
Ophthalmic Record, Chicago, Ill.
Ophthalmic Review, London, England.
Ophthalmology, Seattle, Wash.
Ophthalmoscope, London, England.
Postep Okulistyczny, Krakow, Austria.
Pratica Oculistica, Rome, Italy.
Progresso Ottalmologico, Palermo, Italy.
Revue Générale d'Ophtalmologie, Paris, France.
Revue Internationale d'Hygiène et de Thérapeutique Oculaires, Paris, France.
Rivista Italiana di Ottalmologia, Rome, Italy.
Sammlung Zwangloser Abhandlungen aus dem Gebiete der Augenheilkunde, Halle a. S. Germany.
Viestnik Ophthalmologie, Moscow, Russia.
Wochenschrift für Therapie und Hygiene des Auges, Dresden, Germany.
Zeitschrift für Augenheilkunde, Berlin, Germany.

Advertisement.

Ophthalmic Year Book

VOLUME 11.

NOW IN PREPARATION

Will Contain Between 450 and 500 pages. Illustrated.

PRICE, TEN DOLLARS.

Special Terms for Advanced Subscriptions in Connection With Ophthalmic Literature.

COMMENTS ON VOLUME 10.

"It is perhaps permissable to say that of the various publications which deal annually with ophthalmic literature this one, in our belief, is facile princeps. . . . Every one who wishes to know the last word on any ophthalmic subject should have the book, and to those who write on ophthalmology it is the handiest index to be obtained anywhere."—Ophthalmoscope, 12, p. 741.

"So far as we can judge every article of value in the period covered by the volume has received notice, the abstraction being done with much skill so as to give the fullest information in the smallest space. The bibliography is clear and most easy to refer to. We can cordially recommend thle volume to our readers."—Ophthalmic Review, 34, p. 26.

"The work is of the greatest value to ophthalmologists, few of whom have access to a large part of the literature from which the digests are taken."—Ophthalmology, 11, p. 232.

"Like the former volumes, this is a very complete digest of the ophthalmic literature of the previous year. This digest is preceded by biographic notices of the ophthalmologists who have died during this period. Dr. Jackson and his co-workers should receive a general support for their admirable work."—American Journal of Ophthalmology, 31, p. 320.

"Within these pages is found mention of all, and an able review of very many of the papers on ophthalmic subjects published throughout the world. The subject matter is so arranged that any desired reference may be found with the least possible search, and the grouping such that all the data on a given subject published during the year may be consulted without loss of time."—Medical Record, December 19, 1914, p. 1067.

Printed by Western Newspaper Union